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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/595,372	04/13/2006	Avner Badehi	06727/0204303-US0	06727/0204303-US0 8389	
7278 DARDV & DA	7590 01/25/2008		EXAMINER		
DARBY & DARBY P.C. P.O. BOX 770 Church Street Station New York, NY 10008-0770			COLEMAN, WILLIAM D		
			ART UNIT	PAPER NUMBER	
710W 10IN, 111	10000 0170		2823		
			MAIL DATE	DELIVERY MODE	
			01/25/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

			2/				
	Application No.	Applicant(s)					
Office Action Commence	10/595,372	BADEHI ET AL.					
Office Action Summary	Examiner	Art Unit					
	W. David Coleman	2823					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence ac	ldress				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin fill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 05 No	ovember 2007.						
<i>;</i> —	action is non-final.						
3) Since this application is in condition for allowar closed in accordance with the practice under E			e merits is				
Disposition of Claims							
4)⊠ Claim(s) <u>285-311</u> is/are pending in the applicat	ion.						
4a) Of the above claim(s) 285-288 is/are withdr							
5) ☐ Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>289-308 and 310</u> is/are rejected.							
7)⊠ Claim(s) <u>309 and 311</u> is/are objected to.	7)⊠ Claim(s) <u>309 and 311</u> is/are objected to.						
8) Claim(s) are subject to restriction and/or	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.							
Applicant may not request that any objection to the	= ' '						
Replacement drawing sheet(s) including the correct							
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	IO-152.				
Priority under 35 U.S.C. § 119							
12)⊠ Acknowledgment is made of a claim for foreign a)⊠ All b)□ Some * c)□ None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).					
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
•	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list	or the certified copies not receive	ea.					
Attachment(s)							
1) X Notice of References Cited (PTO-892)	4) Interview Summary						
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P						
Paper No(s)/Mail Date <u>04/6; 08/06</u> .	6) Other:	• •					

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DETAILED ACTION

Election/Restrictions

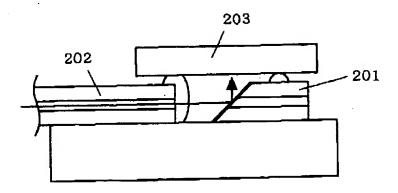
1. Applicant's election without traverse of Group II, claims 289-311 in the reply filed on November 5, 2007 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 289-308 and 310 are rejected under 35 U.S.C. 102(e) as being anticipated by Korenaga et al., U.S. Patent Application Publication 2003/0118288 A1.
- 4. <u>Korenaga</u> discloses a optical device as claimed. See **FIGS. 1-20**, where <u>Korenaga</u> teaches the following limitations.



5. Pertaining to claim 289, Korenaga teaches an optical device comprising:

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a substrate having first and second generally parallel planar surfaces (i.e., both the top side and

bottom side of the substrate are generally planar);

at least one optical fiber 201/202, having a core, mounted on said substrate and being cut by a

transverse notch having at least one inclined surface extending entirely through said core of said

at least one inclined surface; and

at least one optical element adhesively mounted at least partially within said notch, said at least

one optical element including at least one reflective optical surface facing an end of at least one

optical fiber lying at one of said at least one inclined surface.

6. Pertaining to claim 290, Korenaga teaches an optical device according to claim 289 and

also comprising electrical circuitry.

7. Pertaining to claim 291, Korenaga teaches an optical device according to claim 289 and

wherein said core of said at least one optical fiber is in optical communication with said at least

one reflective optical surface.

8. Pertaining to claim 292, Korenaga teaches an optical device according to claim 289 and

also comprising electrical circuitry formed on said second surface.

9. Pertaining to claim 293, Korenaga teaches an optical device according to claim 289 and

wherein said substrate is optically transmissive, permitting optical signal communication

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therethrough between first and second surfaces (please note that Korenaga discloses various

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embodiments in which the substrate is optically transmissive).

10. Pertaining to claim 294, Korenaga teaches an optical device according to claim 289 and

wherein said at least on inclined surface is a rough surface (the Examiner takes the position that

the term "rough" is a relative term and fails to breath life into the claim).

11. Pertaining to claim 295, Korenaga teaches an optical device according to claim 294 and

also comprising an optical adhesive disposed between said rough surface and said at least one

optical element, which fill in interstices of said rough surface.

12. Pertaining to claim 296, Korenaga teaches an optical device according to claim 295 and

wherein said optical adhesive has an index of refraction at least generally matched to that of said

core of said at least one optical waveguide and to that of said at least one optical element.

13. Pertaining to claim 297, Korenaga teaches an optical device according to claim 289 and

wherein said at least one reflective optical surface is a flat reflective surface.

14. Pertaining to claim 298, Korenaga teaches an optical device according to claim 289 and

wherein said at least one optical element includes a concave mirror (please note that Korenaga

discloses various embodiments, some which include a concave mirror).

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15. Pertaining to claim 299, Korenaga teaches an optical device according to claim 289 and

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wherein said at least one optical element includes a partially flat and partially concave mirror.

16. Pertaining to claim 300, Korenaga teaches an optical device according to claim 299 and

wherein said partially concave mirror includes a mirror having multiple concave reflective

surfaces (see element 37 of FIG. 4).

17. Pertaining to claim 301, Korenaga teaches an optical device according to claim 289 and

wherein said at least one optical element includes a reflective grating (see element 173 of FIG.

17B).

18. Pertaining to claim 302, Korenaga teaches an optical device according to claim 289 and

wherein said at least one optical element includes reflective elements formed on opposite

surfaces of an optical substrate.

19. Pertaining to claim 303, Korenaga teaches an optical device according to claim 289 and

wherein said at least one optical element is operative to focus light received from said at least

one optical waveguide.

20. Pertaining to claim 304, Korenaga teaches an optical device according to claim 289 and

wherein said at least one optical element is operative to collimate light received from said at least

one optical waveguide.

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21. Pertaining to claim 305, Korenaga teaches an optical device according to claim 289 and

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wherein said at least one optical element is operative to focus at least one of multiple colors of

light received from said at least one optical waveguide (the *Examiner* also **OBJECTS** to the

present claim limitation because it is well known that light in the most general term is made up

of multiple colors or a mixture of various wavelengths. Furthermore because Applicants fail to

disclose any particular wavelength there is no possible way to dispute what is taught and what is

disclosed and claimed as Applicants invention).

22. Pertaining to claim 306, Korenaga teaches an optical device according to claim 89 and

also including an optical connector on an edge of said optical device (please note that the term

"edge" is a relative term since all tangible objects have edges).

23. Pertaining to claim 307, Korenaga teaches an optical device according to claim 306 and

wherein said optical connector is aligned with at least one end of said at least optical waveguide

along said edge of said optical device and also including electrical circuitry and an array of

electrical connections coupled to said electrical circuitry.

24. Pertaining to claim 308, Korenaga teaches on optical device according to claim 306 and

wherein said optical connector also comprises alignment bores arranged on said edge of said

optical device.

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25. Pertaining to claim 310, <u>Korenaga</u> teaches an optical device according to claim 289 and also comprising at least one laser mounted on said substrate and at least one optical detector arranged to sense light emitted by said at least one laser.

Objections

26. Claims 309 and 311 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

27. Any inquiry concerning this communication or earlier communications from the examiner should be directed to W. David Coleman whose telephone number is 571-272-1856.

The examiner can normally be reached on Monday-Friday 9:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matt Smith can be reached on 571-272-1907. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

W. David Coleman Primary Examiner

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WDC